

## PATENT ABSTRACTS OF JAPAN

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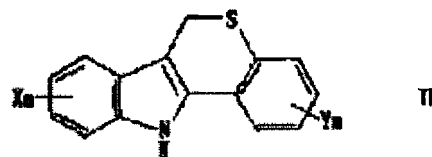
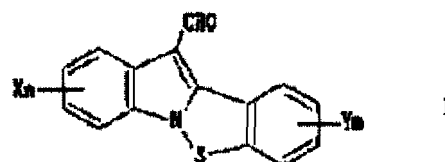
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### (54) 11-FORMYL-INDOLO[1,2-B][1,2]BENZISOTHIAZOLE AND MICROBICIDAL AGENT FOR AGRICULTURAL AND HORTICULTURAL PURPOSES

(57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a new compound, formylindolobenzisothiazole that can be synthesized with industrial advantage and is useful as a microbicidal agent for agricultural and horticultural purposes.

**SOLUTION:** This is a new compound represented by formula I [X and Y are each H, cyano, nitro, carboxy, a halogen, a 1-6C alkyl, a 2-6C (halo)alkenyl, a (substituted) amino, a (substituted) sulfamoyl or the like; n and m are each 0-4], typically 11-formyl-indolo[1,2-b][1,2]benzisothiazole. The compound of formula I is obtained by oxidizing a compound of formula II in the presence of an oxidizing agent such as selenium dioxide in a solvent, for example, acetic acid or the like in the temperature range of from room temperature to 150°C.



### LEGAL STATUS

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